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PRELIMINARY REPORT ON THE WORK OF THE INDIGIRKA PARTY OF THE YAKUTSK EXPEDITION OF THE ACADEMY OF SCIENCES OF THE USSR 1929-30 [AND] BAROMETRIC LEVELING. [1962] [67]p. 8 refs. ACIC RR-33.
Order from OTS or SLA $6.60 62-15604

Trans. of Akademiya Nauk SSSR. Sovet po Izucheniyu Proizvoditel'nykh Sil. Trudy. Seriya Yakutskaya, 1932, v. 6, p. 1-46 and 52-53.

DESCRIPTORS: *Hydrographic surveying, *Rivers, Terrestrial magnetism, Astronomical geodesics, Barometers, Geography, Leveling rods.

(Earth Sciences--Geodesy, TT, v. 9, no. 11)

62-15604

I. Title: Yakutsk expedition
I. Chirkhin, Yu. D.
II. Golovachev, M. A.
III. Title: Barometric...
IV. ACIC RR-33
V. Aeronautical Chart and Information Center, St. Louis, Mo.

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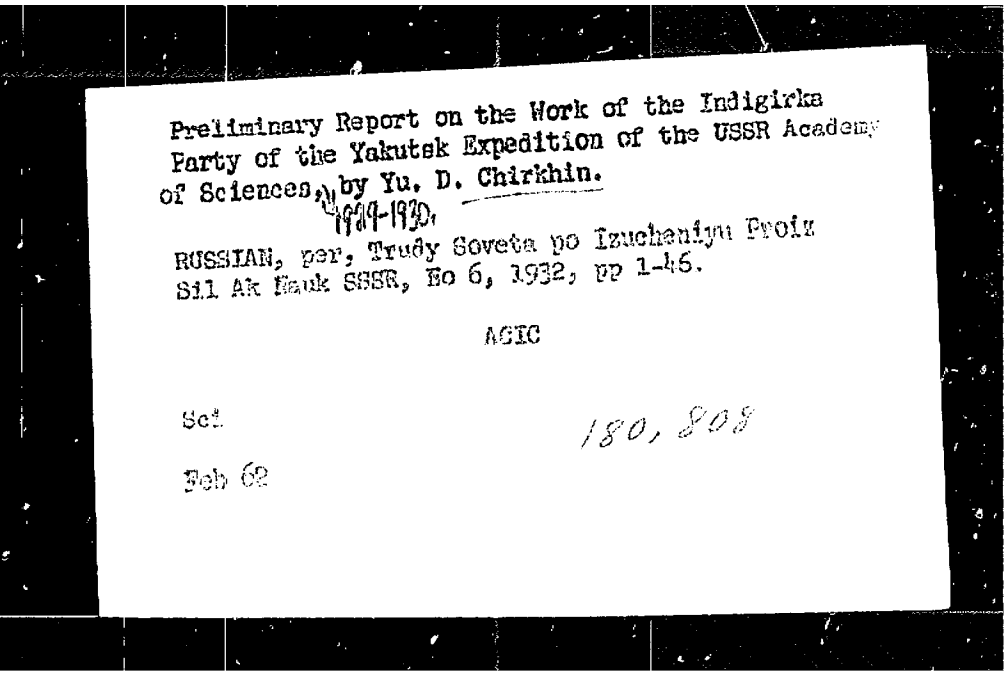

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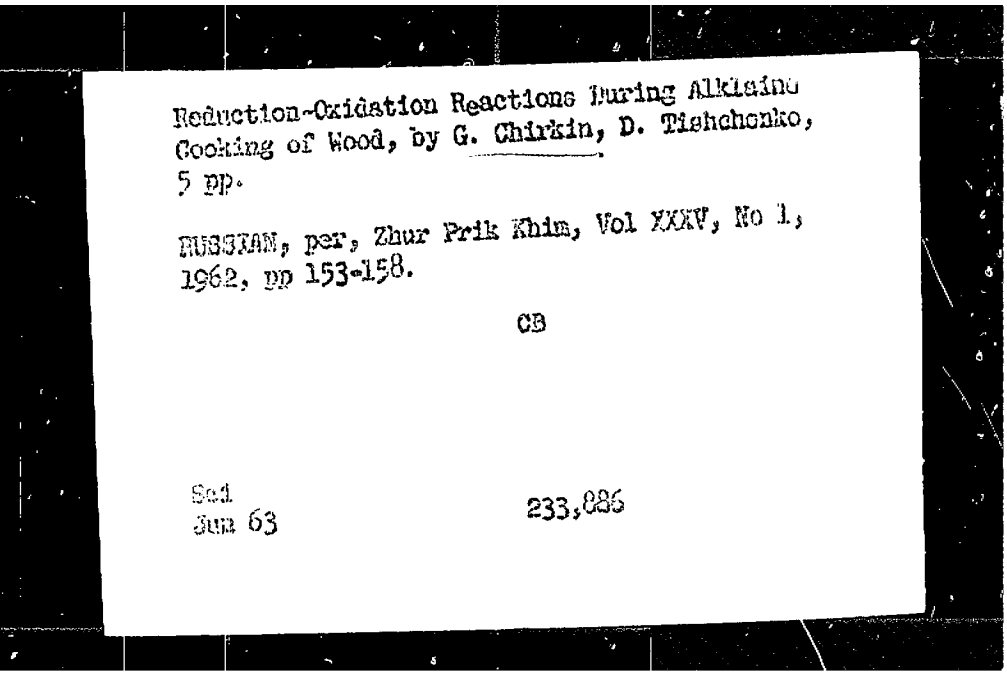

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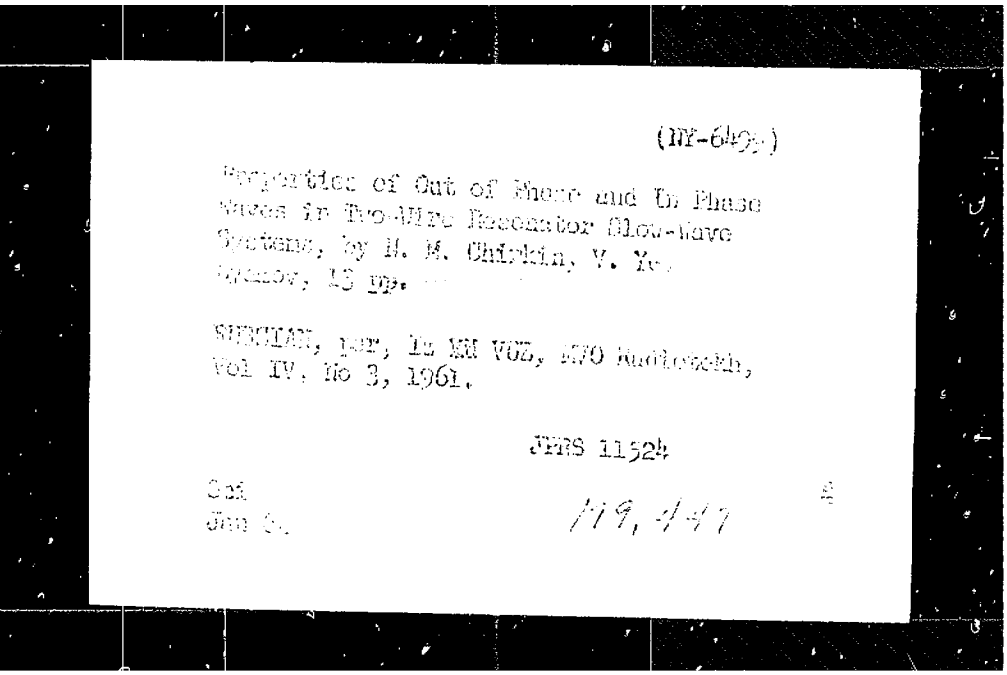

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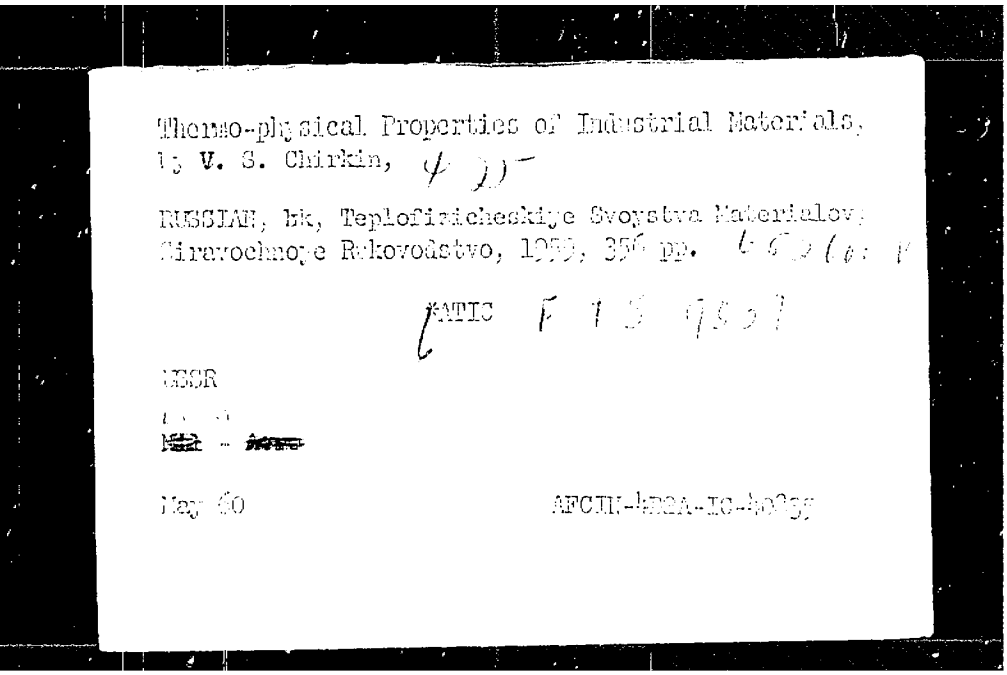

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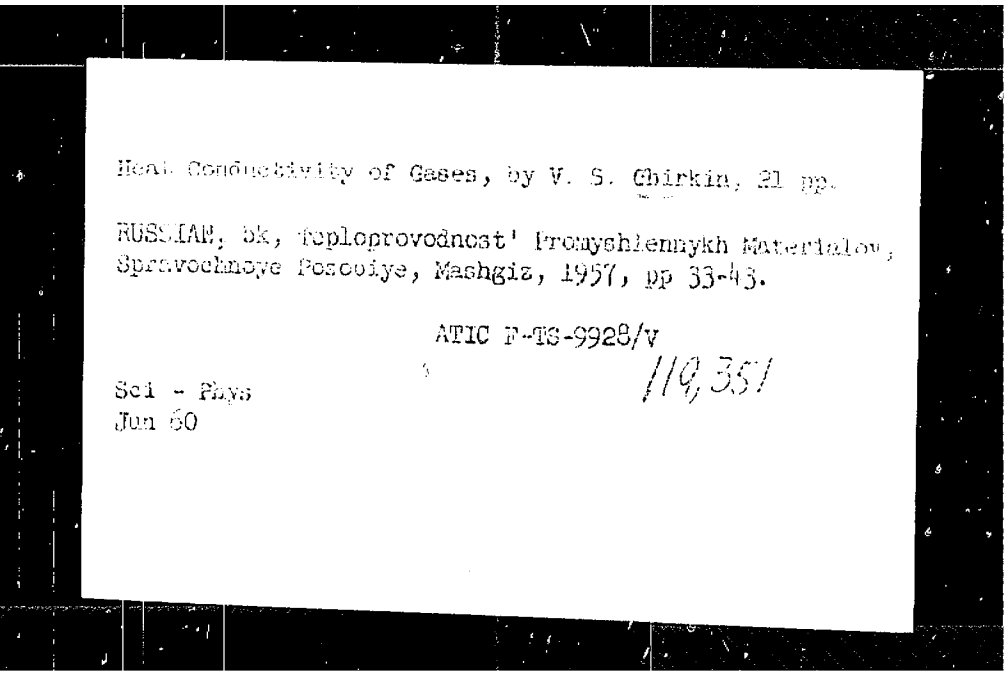

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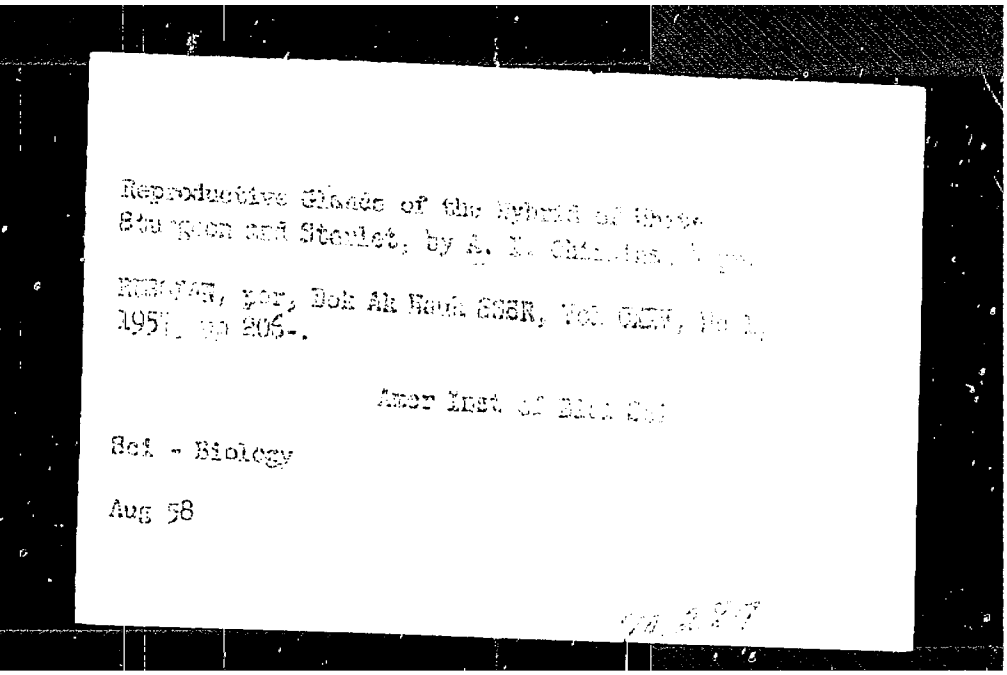

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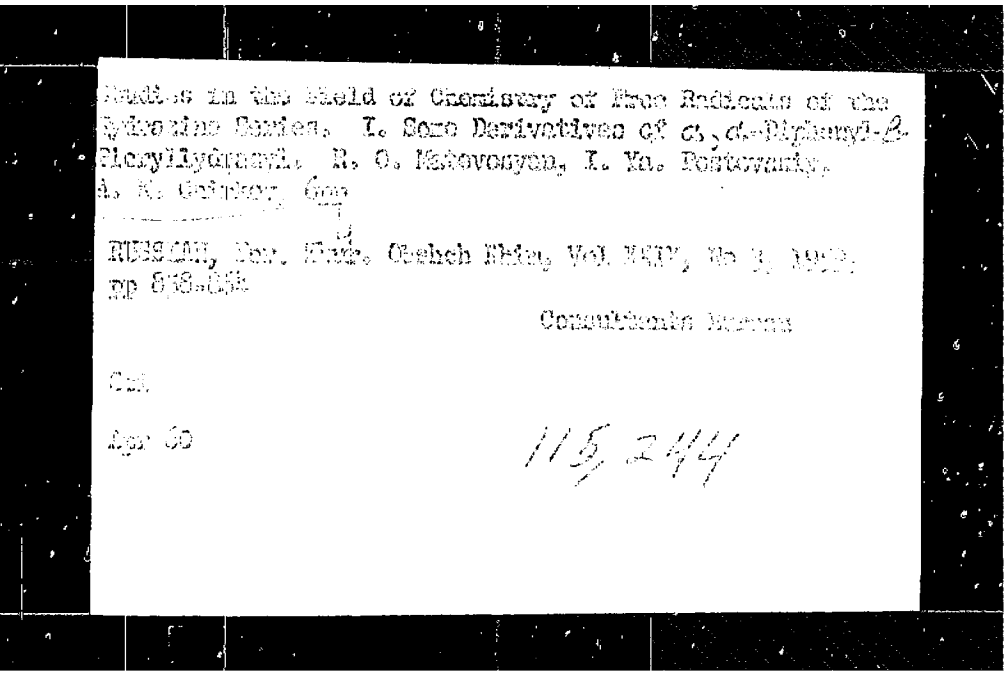

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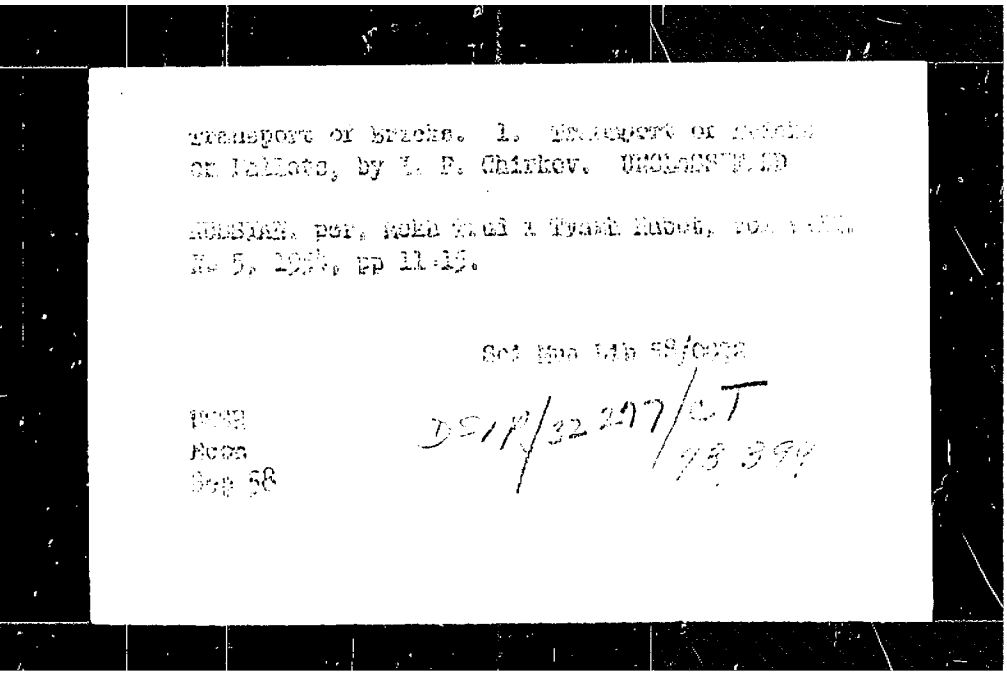

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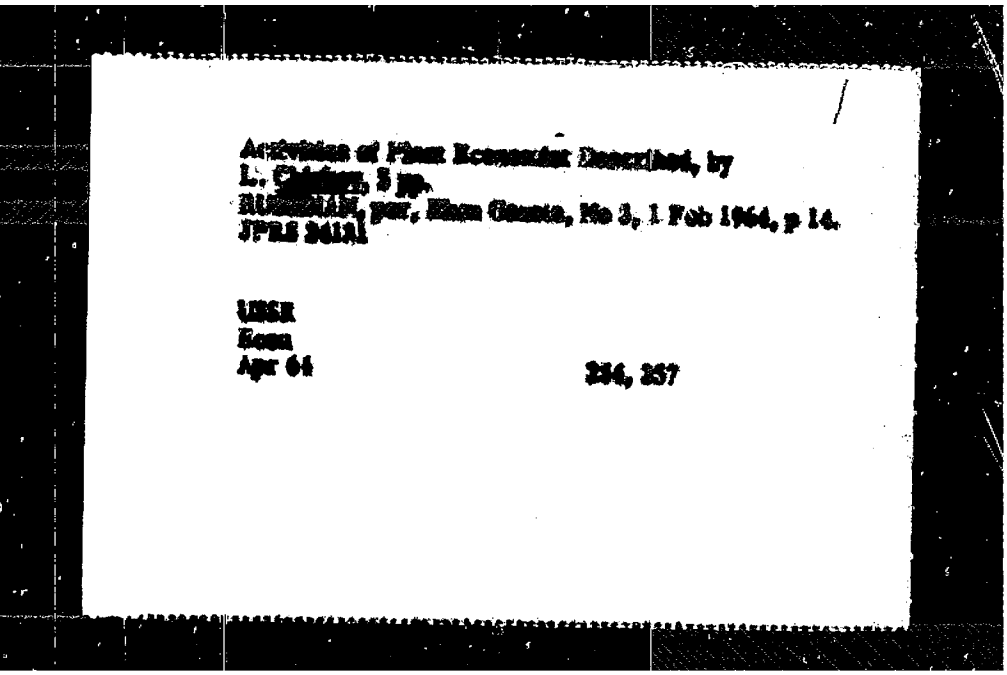

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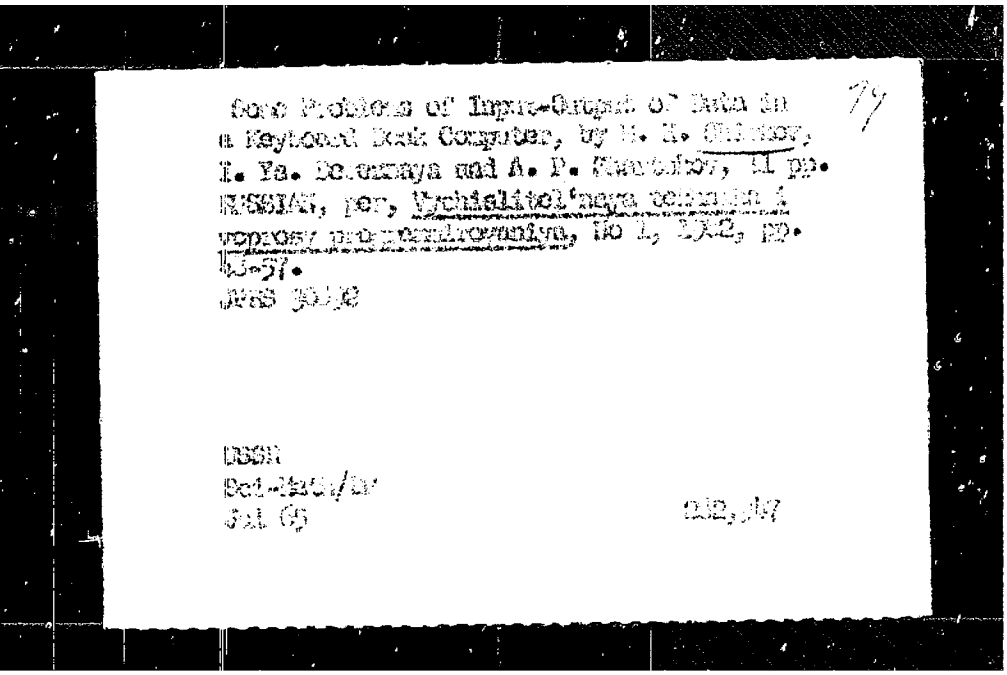

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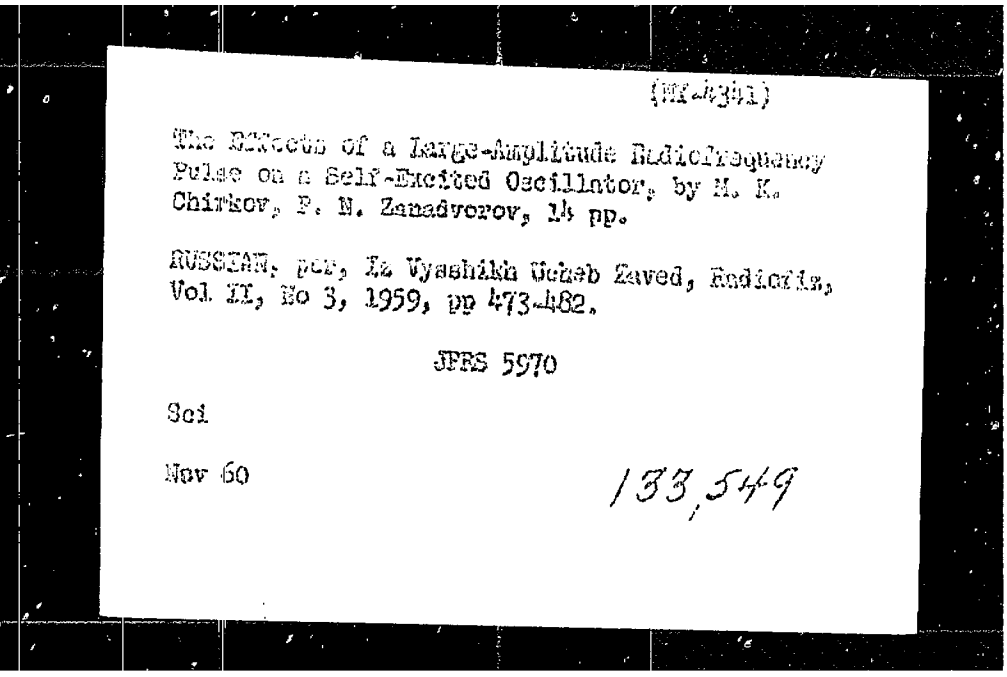

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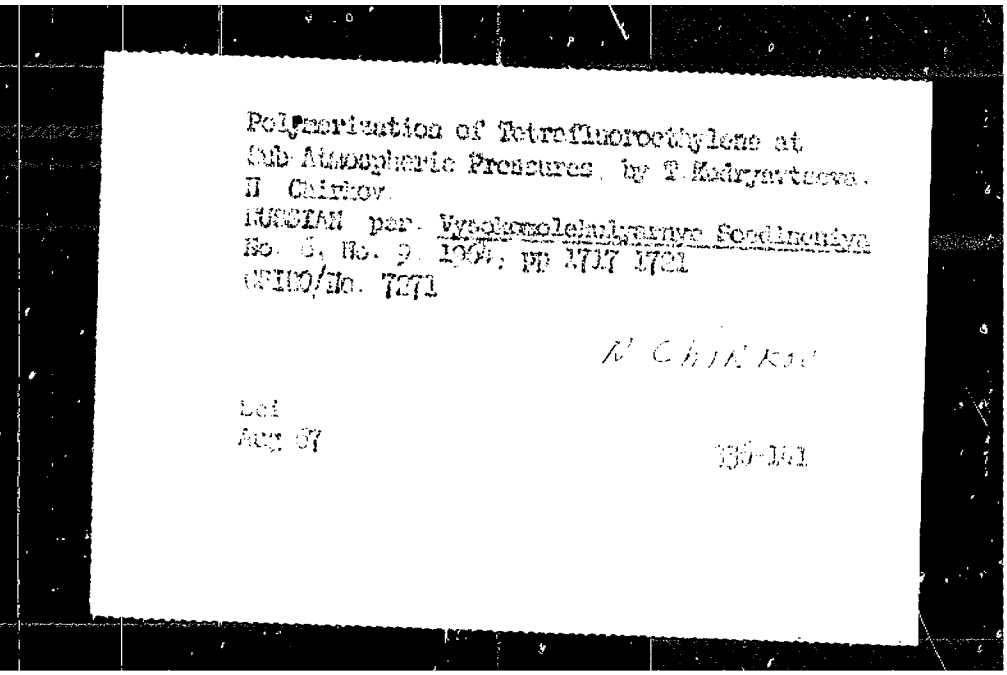

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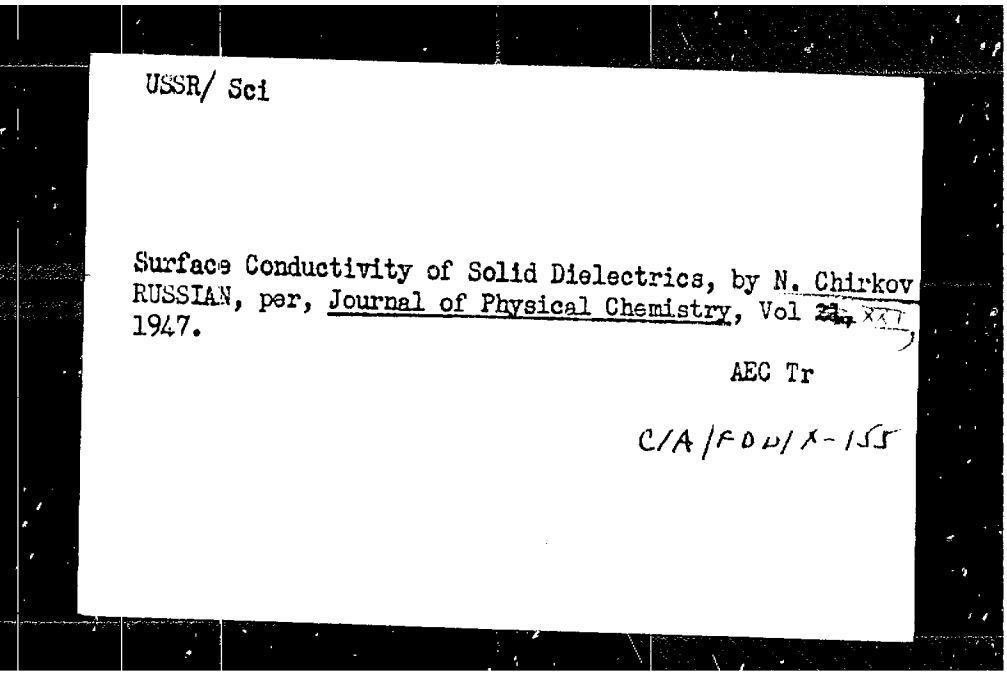

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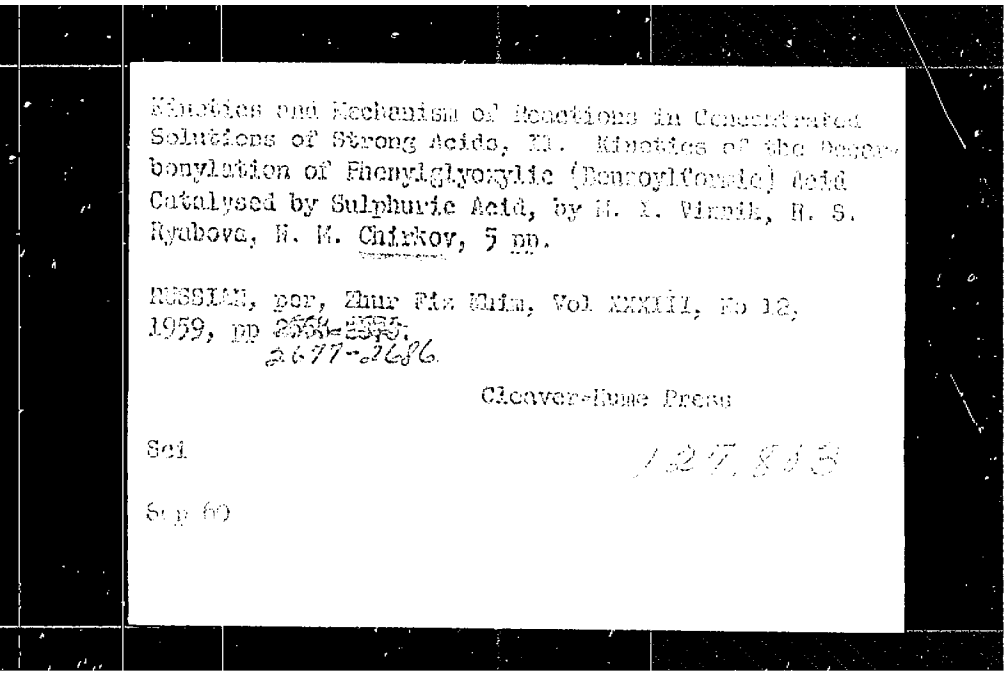

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OXIDATION OF GASEOUS HYDROCARBONS.
I. CATALYTIC ACTION OF WATER VAPOR IN THE OXIDATION OF ETHANE. [1961] [2]p. 3 refs.
Order from OTS or SLA $1.10 61-18197

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U. R. S. S., 1944, v. 45, p. 244-247.

DESCRIPTORS: *Hydrocarbons, Oxidation, *Ethanes, Catalysts, Water vapor, Chemical reactions.

In the oxidation of ethane instoichelometric proportions with oxygen the reaction rate at a temperature of 466 and 486°C depends upon the quantity of the substance that has reacted and upon the quantity of water vapour added. It is impossible to explain the acceleration of the reaction by the catalytic action of water alone, some kind of intermediate products exist that cause the

(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18197

I. Chirkov, N.
II. Title: Catalytic...

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OXIDATION OF [GASEOUS] HYDROCARBONS.
II. OXIDATION OF ETHANE AT TEMPERATURES ABOVE 600° C. [1961] [2]p. 3 refs.
Order from OTS or SLA $1.10 61-18241

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus (Doklady) de l'Academie des Sciences de l'U. R. S. S., 1945, v. 46, p. 368-369.

DESCRIPTORS: *Hydrocarbons, *Ethanes, Oxidation, Water vapor, Catalysts.

The induction period in oxidation of ethane was studied. Below 600° water vapor catalyzes oxidation of ethane, but not above this temperature. At 630° C and pressures of 100-300 mm mercury the induction period of oxidation of ethane was not affected by 3.6% water. (Author) [See also 61-18197]

(Chemistry--Organic, TT, v. 6, no. 7)

61-18241

I. Chirkov, N.
II. Title: Oxidation of Ethane.

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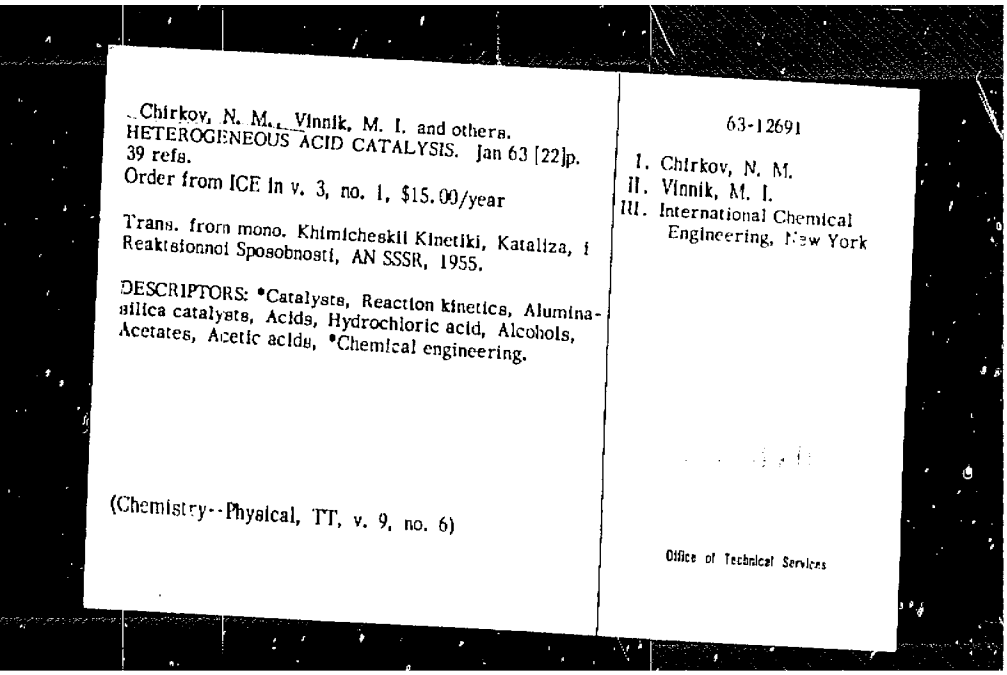

Chirkov, N. M., Vinnik, M. I. and others.
HETEROGENEOUS ACID CATALYSIS. Jan 63 [22]p.
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Trans. from mono. Khimicheskii Kinetiki, Kataliza, i Reaktsionnoi Sposobnosti, AN SSSR, 1955.

DESCRIPTORS: *Catalysts, Reaction kinetics, Alumina-silica catalysts, Acids, Hydrochloric acid, Alcohols, Acetates, Acetic acids, *Chemical engineering.

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I. Chirkov, N. M.
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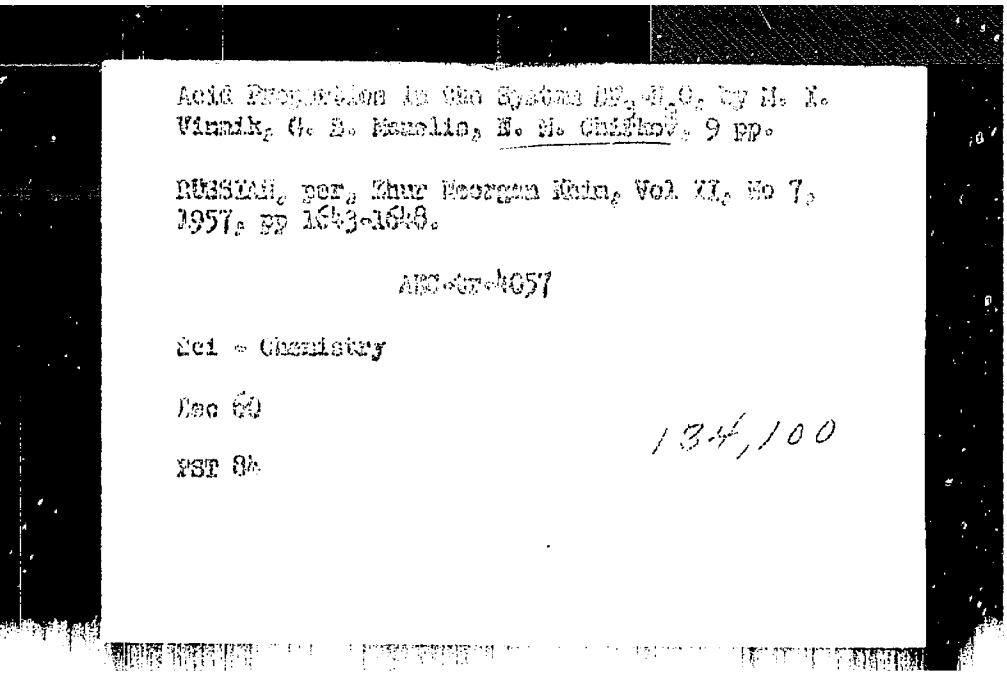

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Kinetics and Mechanisms of Reactions in Concentrated Mineral Acids. I. Dehydration Kinetics of o-Benzoylbenzoic Acid in Concentrated Sulphuric Acid, by M. I. Veinnik, R. S. Raycheva, N. M. Chirkov, 4 pp.

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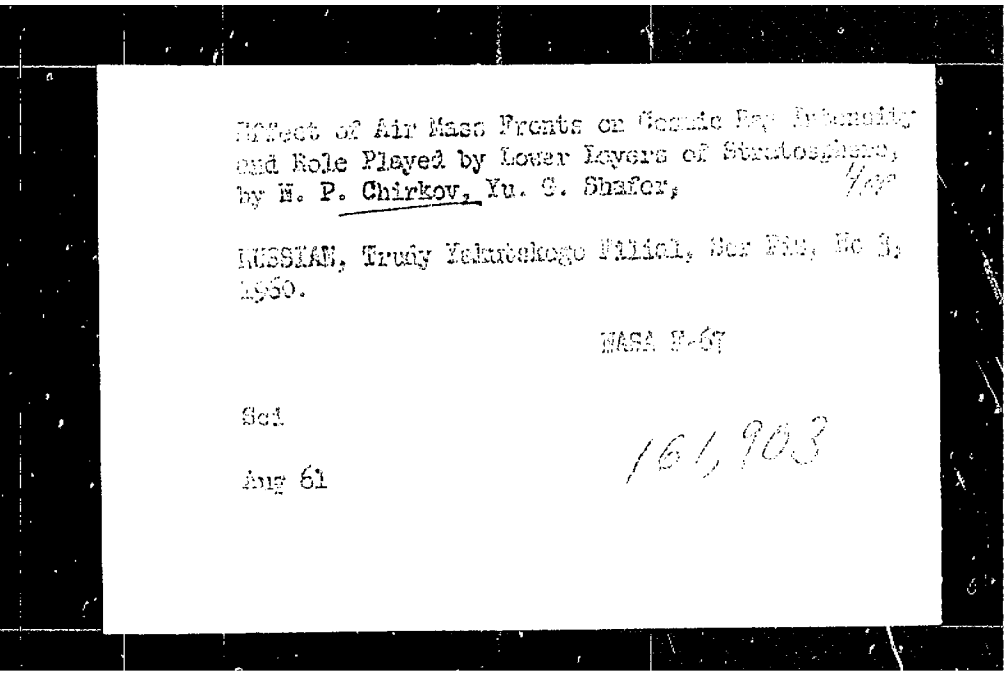

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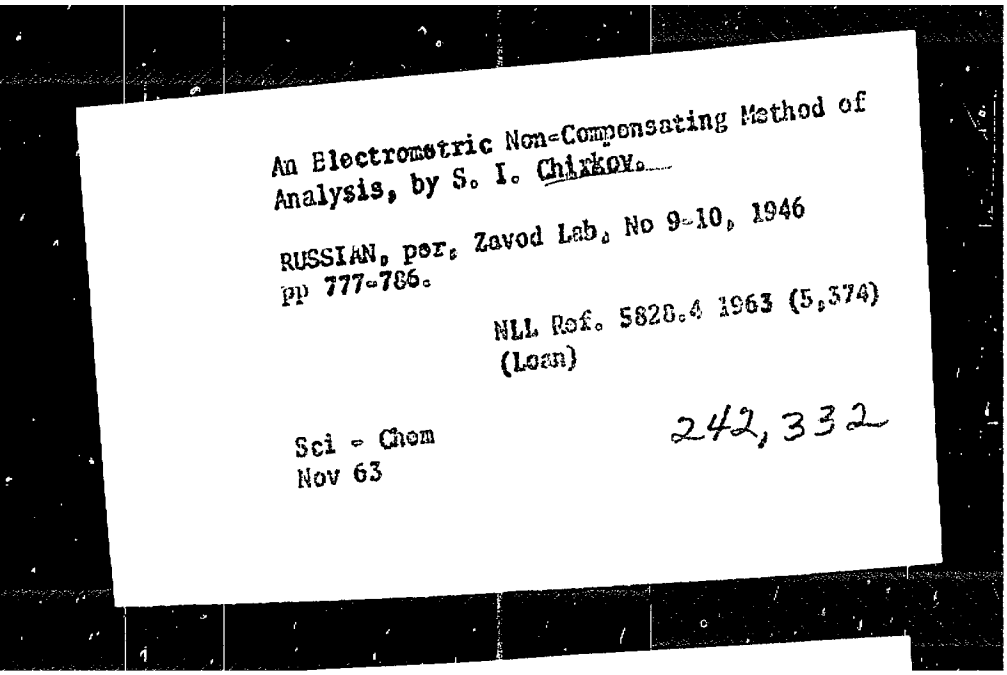

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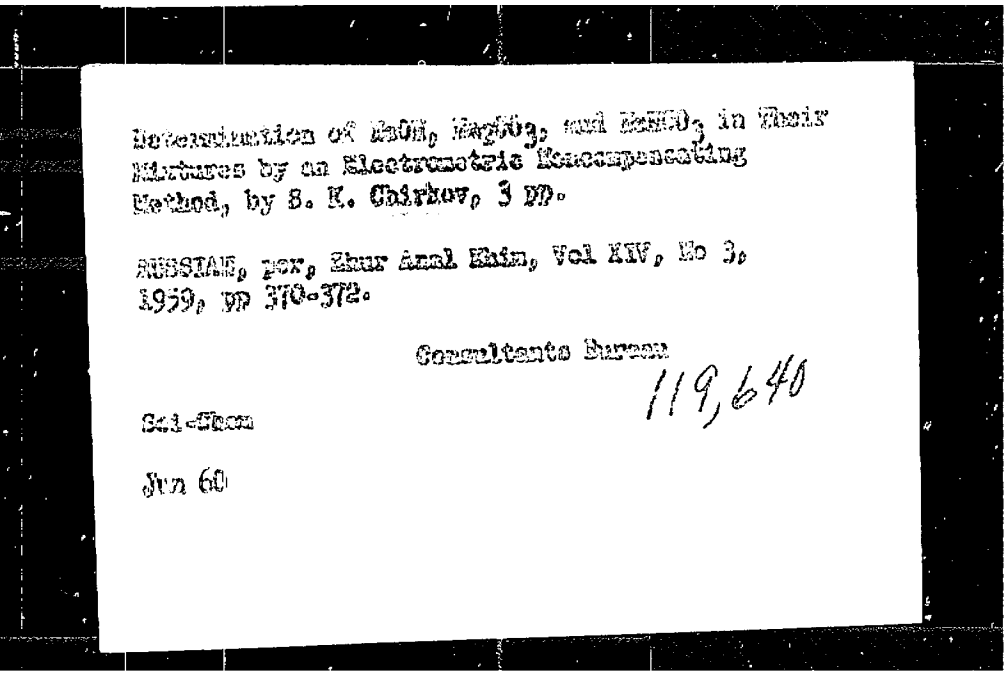

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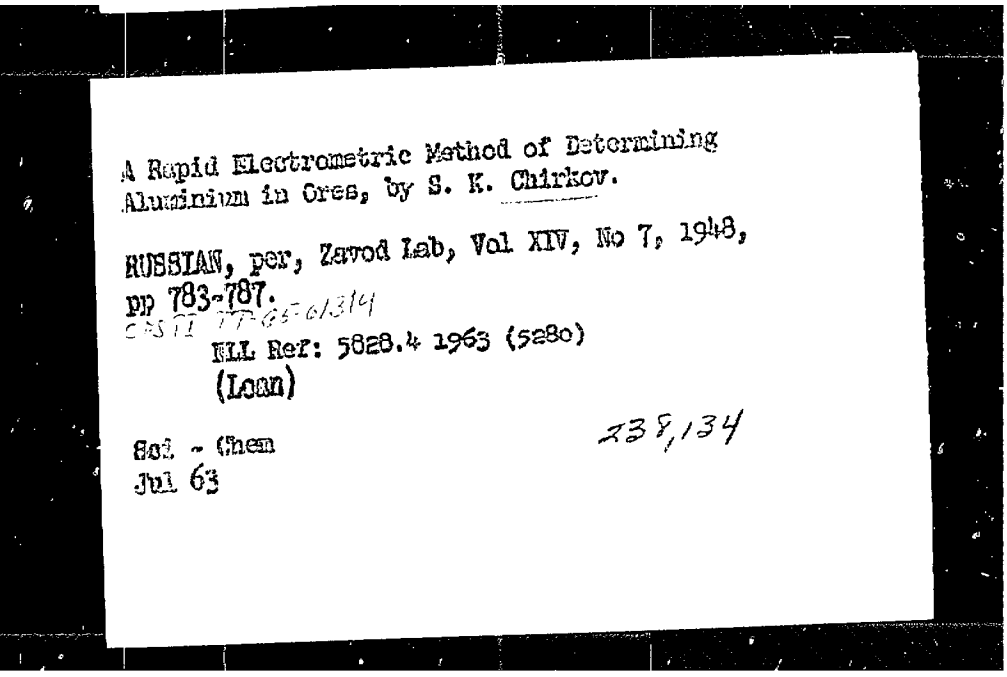

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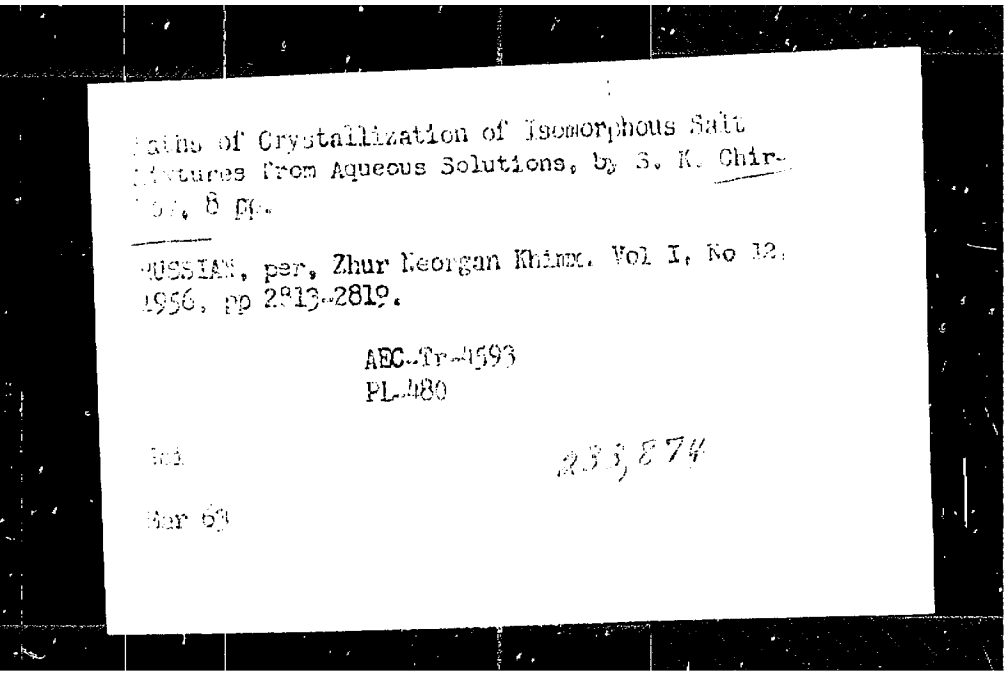

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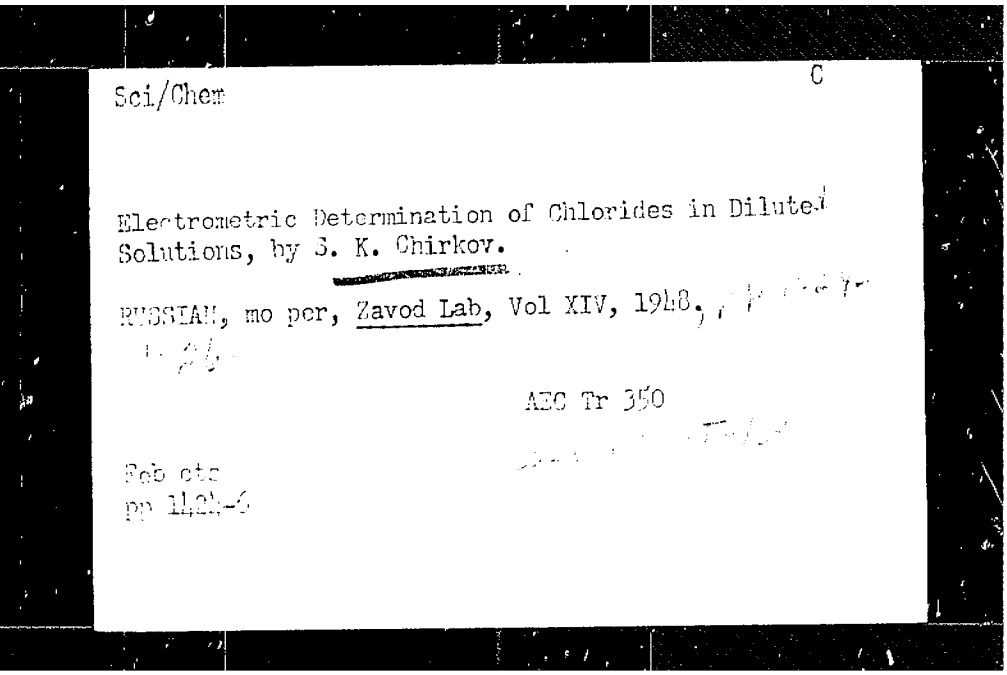

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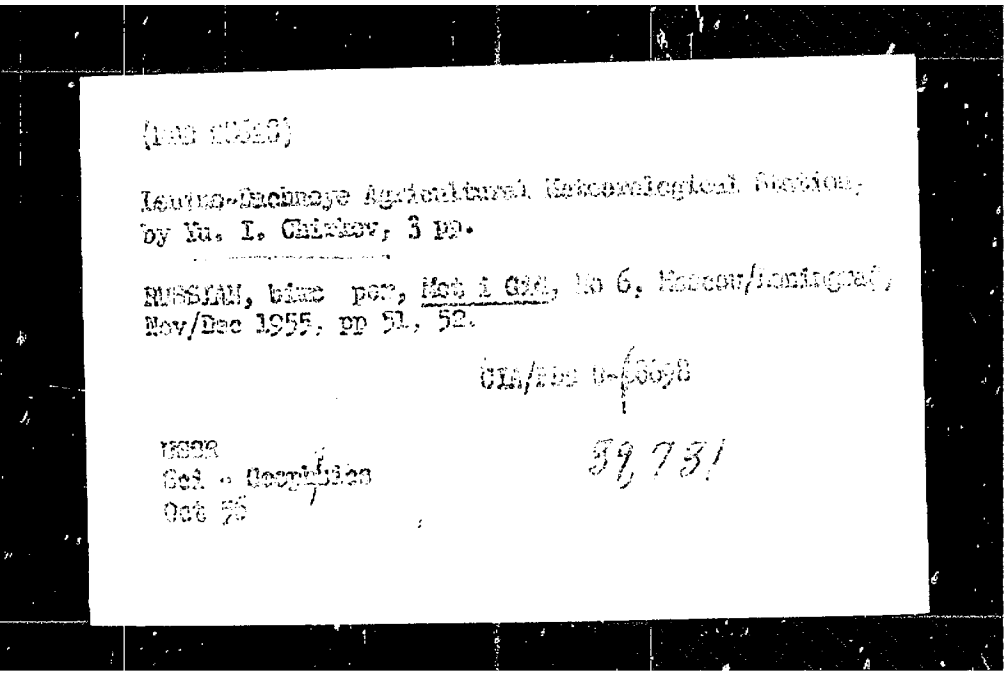

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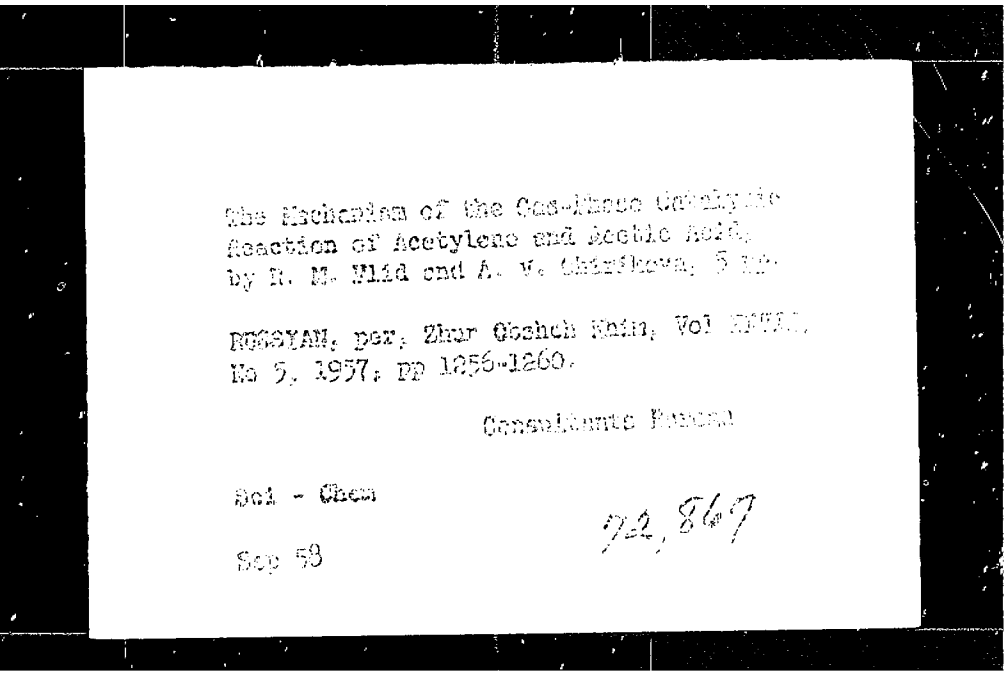

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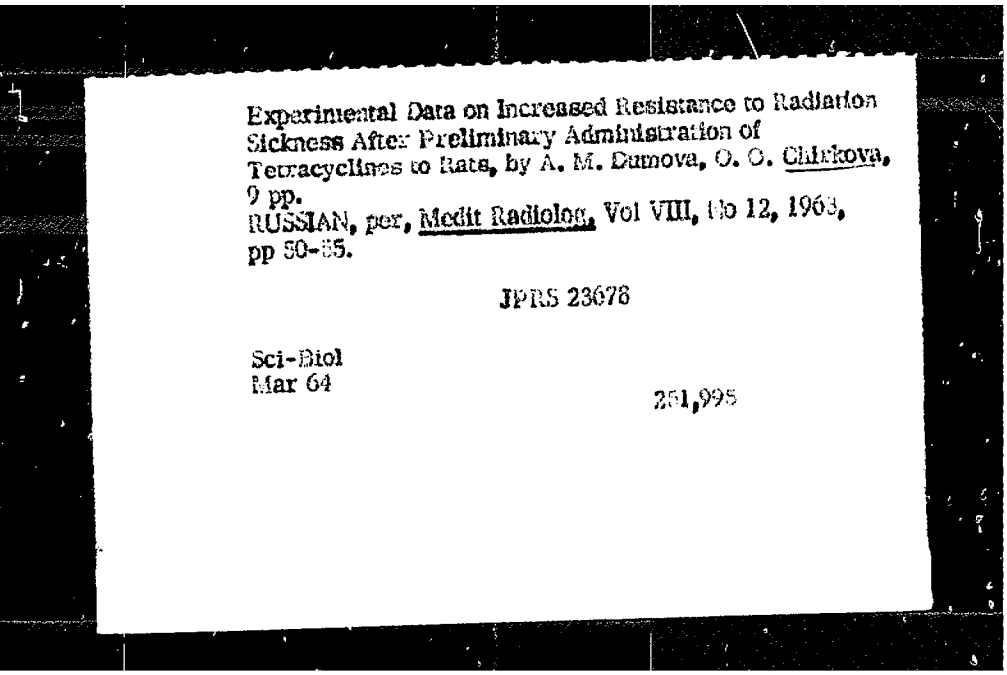

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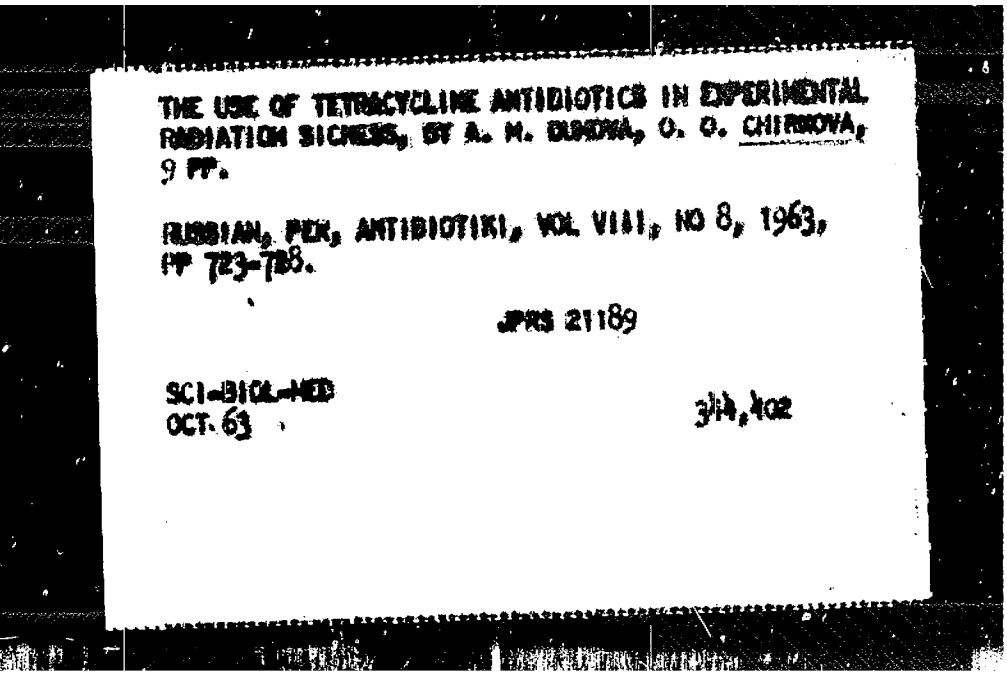

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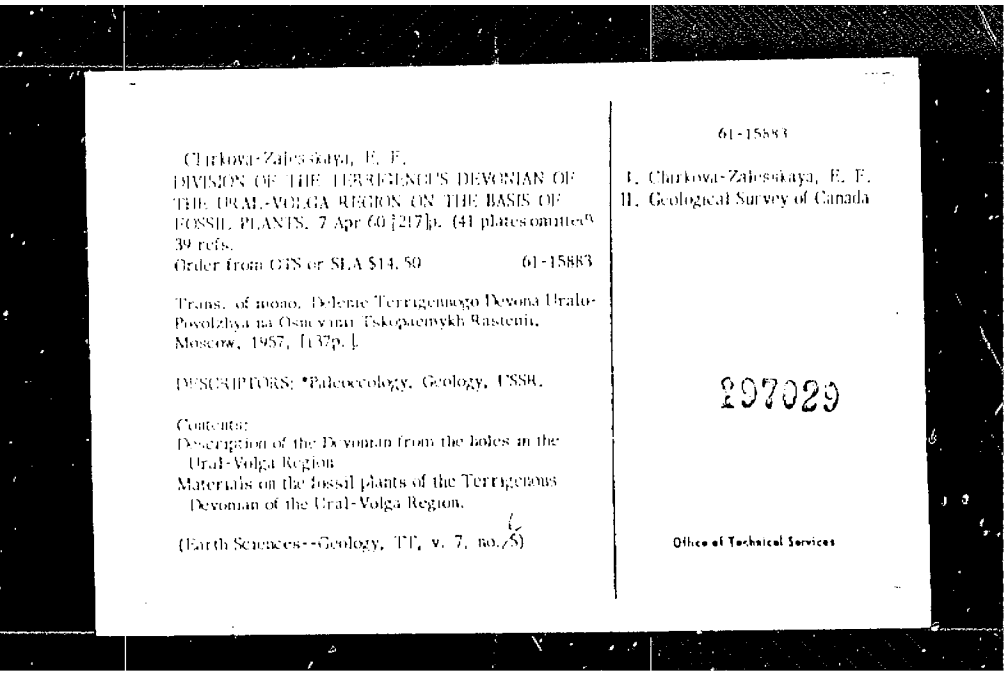

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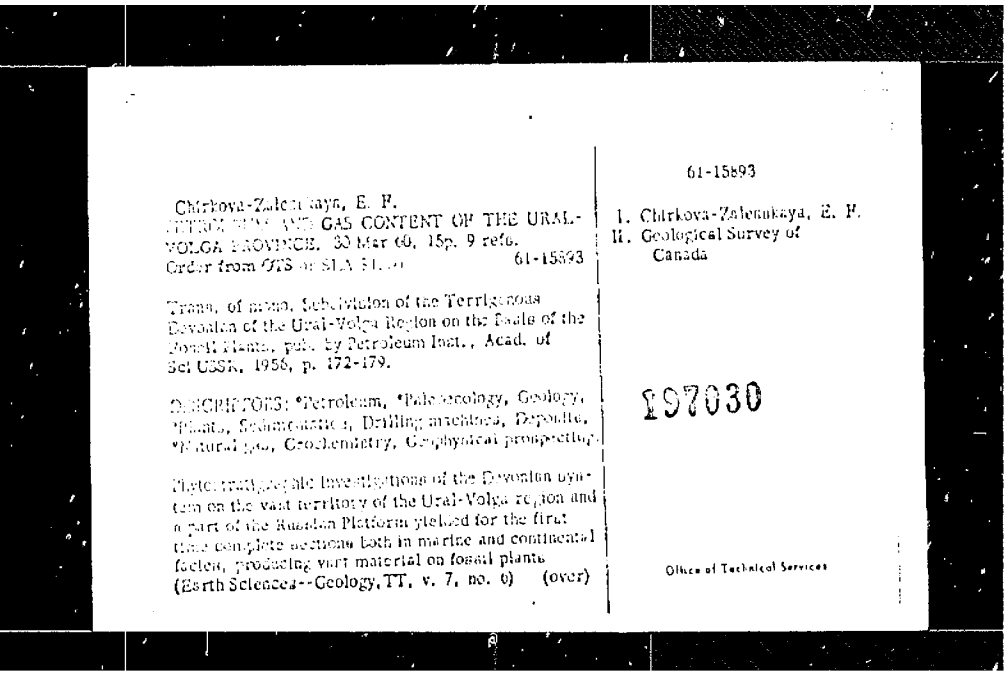

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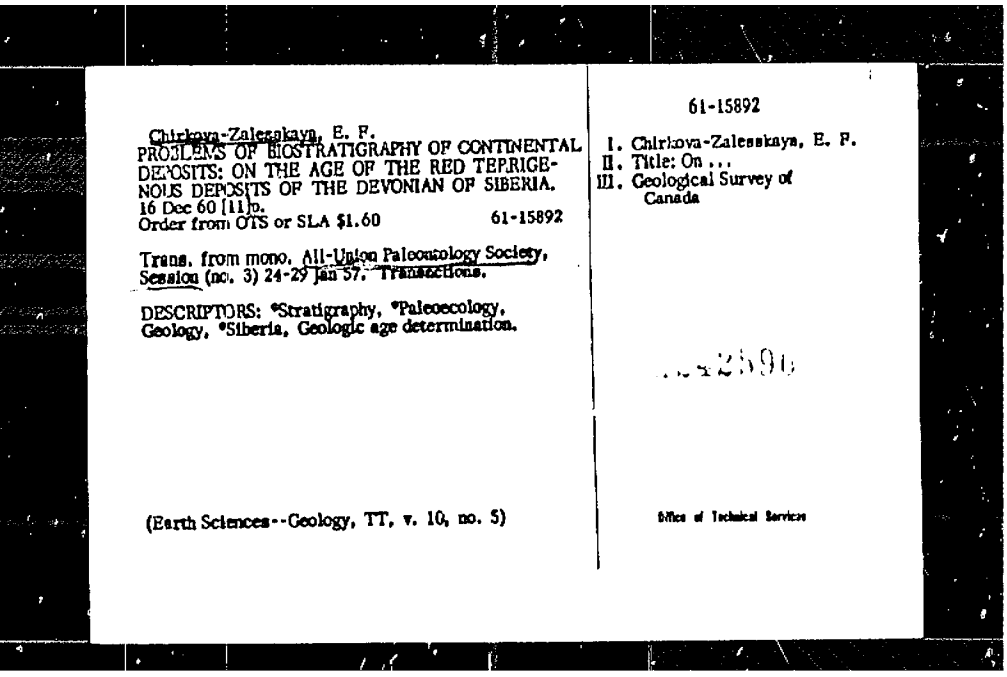

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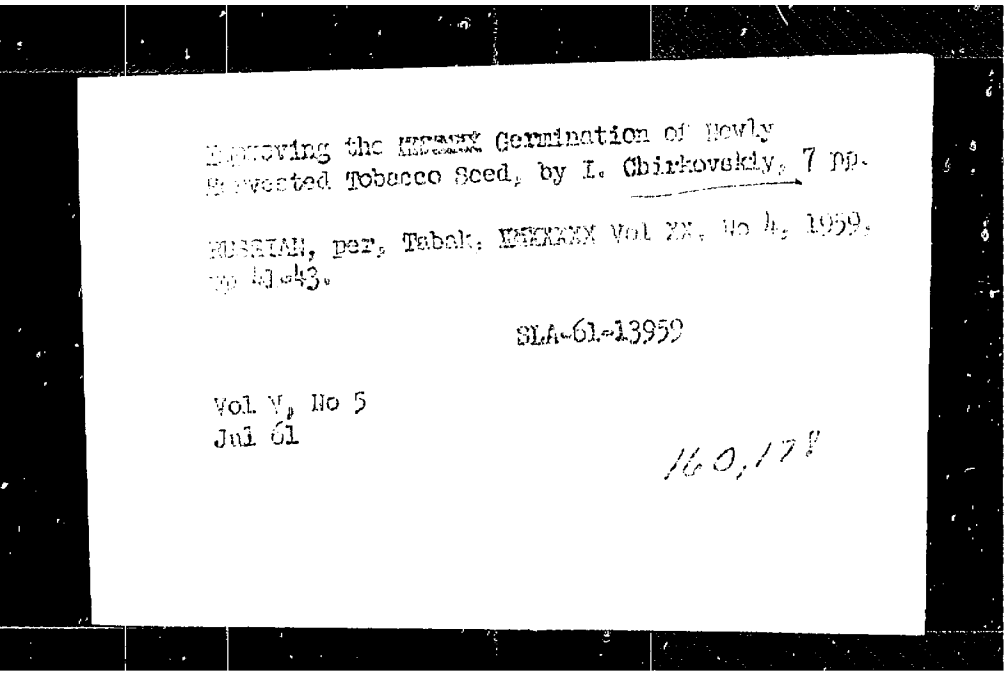

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